



SEQUENCE LISTING

A3
<110> FUJII, Tadashi
NARITA, Takao
NAKATA, Kuniho
AGEMATU, Hitosi
TSUNEKAWA, Hiroshi
ISSHIKI, Kunio
YOSHIOKA, Takeda

<120> Gene participating in the production of homoglutamic acid and its use

<130> 2001-0116A/LC/00202

<140> 09/762,230

<141> 2001-02-05

<150> JP10/232382

<151> 1998-08-05

<150> JP11/182362

<151> 1999-06-28

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<170> PatentIn Ver. 2.0

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Gln Leu Ala Ala Asn His Pro Asp Leu Arg Ala Ala Ile Asp Ala Ala
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Arg Gln Val Phe Ala Asp Ala Gln Ala Asn His Trp Phe Ile Glu Ala	
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 Tyr Glu Thr Ile Leu Ala Arg Ala Gln Gln Ala Phe Lys Val Trp Arg
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 Ala Leu Arg Arg His Lys Asp Ala Leu Gly Ser Leu Val Ala Leu Glu
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 Pro Leu Gly Ile Val Gly Ile Ile Ser Ala Phe Asn Phe Pro Val Ala
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 170 175 180

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 Ile Trp Lys Pro Ser Asn Lys Thr Pro Leu Thr Ala Ile Ala Ser Met
 185 190 195

cgc atc tgc aac gaa gca ctg cgc gaa ggc ggc ttc ccg gat atc ttc 3499
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 Asp Lys Arg Val Pro Leu Ile Ser Phe Thr Gly Ser Thr Gln Val Gly
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cgc atc gtc aac cag aag gtc gcc gcc cgc ctg ggc cgc tgc ctg ctc 3643
 Arg Ile Val Asn Gln Lys Val Ala Ala Arg Leu Gly Arg Cys Leu Leu
 250 255 260

gag ctg ggc ggc aac aac gcg atc atc ctg gac gaa acc gcc gac ctg 3691
 Glu Leu Gly Gly Asn Asn Ala Ile Ile Leu Asp Glu Thr Ala Asp Leu
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 Lys Leu Ala Val Pro Gly Ile Val Phe Gly Ala Val Gly Thr Ala Gly
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 Gln Arg Cys Thr Thr Thr Arg Arg Leu Ile Val His Glu Ser Ile Tyr
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 Asp Asn Val Leu Ala Thr Leu Ile Lys Ala Tyr Lys Gln Val Glu Gly
 315 320 325

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 Lys Ile Gly Asp Pro Leu Asp Ala Ala Asn Leu Met Gly Pro Leu Asn
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 Ser Pro Glu Ala Val Gln Gln Phe Leu Ala Ser Ile Glu Lys Ala Lys
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Sub
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<223> Description of Artificial Sequence: N-terminus Amino Acid Sequence

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Ser Leu Leu Ala Pro Leu Ala Pro Leu Arg Ala His Ala Gly Thr Arg Leu
1 5 10 15

Thr Gln Gly
20

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<212> DNA
<213> Artificial Sequence

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<223> y = t or c

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<222> (6)
<223> i

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<221> modified_base
<222> (12)
<223> i

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Sub
C4
cont

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<220>
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<220>
<223> Description of Artificial Sequence: DNA PRIMER

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ccytgngtna rnckngtncc ngcrtgngcn cg

32

<210> 9
<211> 32
<212> DNA
<213> Artificial Sequence

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<223> i

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Sub
C4
cont

A3
CONT.
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<223> i

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<222> (24)
<223> i

<220>
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<222> (26)
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<220>
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<222> (27)
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Sub
C4
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<222> (30)
<223> i

<220>
<223> Description of Artificial Sequence: DNA PRIMER

<400> 9
ccngcrtgng cncgnarngg ngcnarnggn gc

32